

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION	
Project Title: Kaibab Helicopter Deer Surveys	Project No. 07-723
Region/GMU: Region 2	HPC:
Project Type: Survey	
Project Description: The Department agreed in collaborative efforts with the Arizona Deer Association and the Mule Deer Foundation to periodically survey the Kaibab deer herd using the helicopter double count methodology. The last survey was conducted during winter 2004-2005 and a repeat survey during 2008-2009 will assist in determining population status.	
Wildlife Species to Benefit: Mule deer	
Possible Funding Partners:	
Implementation Schedule: Beginning: December 2008 Completed: February 2009	
PROJECT FUNDING	
SBG Funds Requested: \$19,680	
Cost Share Funds: \$15,000	
Total Project Costs: \$34,680	
PARTICIPANT INFORMATION	
Applicant: Brian Wakeling (please print) Telephone: 623-236-7385	Address: Arizona Game and Fish Department Game Branch 5000 West Carefree Highway Phoenix, AZ 85086
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Regional staff	Date: December 14, 2007
Applicant's signature: 	Date: December 14, 2007

**SEND COMPLETED APPLICATIONS TO:
Game Branch**

NEED STATEMENT/PROBLEM ANALYSIS:

Considerable discussion and research has taken place surrounding deer population monitoring on the Kaibab deer herd in northern Arizona. An ongoing research study that was initiated to determine ecological relationships on the west side winter range will be completed during FY 2008. An earlier double count survey was conducted during the winter of 2004-2005, which indicated that the deer population on the west side winter range approximated 7,000 deer, with about 10,000 deer on the Kaibab overall. At the completion of the first survey, it was recommended that periodic subsequent surveys of this herd be conducted to determine if population models were accurately tracking population trends and, if necessary, recalibrate the model. This survey is necessary to achieve these recommendations and determine population levels in relation to the research results.

PROJECT OBJECTIVES:

Determine population index levels for the mule deer herd that occupies the North Kaibab.

PROJECT STRATEGIES:

Determine population index levels for the mule deer herd that occupies the North Kaibab.

PROJECT LOCATION:

North Kaibab Ranger District.

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

U.S. Forest Service.

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

No.

HABITAT DESCRIPTION:

Pinyon-juniper to ponderosa pine forest.

ITEMIZED USE OF FUNDS:

24 hours of helicopter survey at \$820/hr = \$19,680

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

PROJECT MONITORING PLAN:

Survey results would be reported in annual performance plans. Hunt recommendations would be modified in relation to survey results, in the context of recommendations from completed research on other hunt monitoring data. Subsequent surveys would be recommended on a similar 4-year basis.

PROJECT MAINTENANCE:

PROJECT COMPLETION REPORT TO BE FILED BY:

Region 2 Game Specialist.

WATER DEVELOPMENT PROJECTS (see attached worksheet):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):